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Requester's Full Name: Math Bella Examiner #: 71661 Date: 10/11/01
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Title of Invention: _____

Inventors (please provide full names): _____

Earliest Priority Filing Date: _____

**For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

Litigation search for 5,677,929

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| | Type of Search | Vendors and cost where applicable |
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| Searcher: <u>Kay</u> | NA Sequence (#) _____ | STN _____ |
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* 2/9/1

DIALOG(R) File 345:Inpadoc/Fam.& Legal Stat

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12194498

Basic Patent (No,Kind,Date): CA 2127606 AA 19950117 <No. of Patents: 006>

PATENT FAMILY:

CANADA (CA)

Patent (No,Kind,Date): CA 2127606 AA 19950117

AUTOMOBILE ON-BOARD AND/OR PORTABLE TELEPHONE SYSTEM (English; French)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): ASANO NOBUO (JP); KATO OSAMU (JP)

Priority (No,Kind,Date): JP 93199013 A 19930716

Applic (No,Kind,Date): CA 2127606 A 19940707

IPC: * H04B-007/026; H04B-007/216

Derwent WPI Acc No: ; G 95-115936

Language of Document: English

CHINA (CN)

Patent (No,Kind,Date): CN 1102022 A 19950426

AUTOMOBILE ON-BOARD AND/OR PORTABLE TELEPHONE SYSTEM (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): ASANO NOBUO (JP); KATO OSAMU (JP)

Priority (No,Kind,Date): JP 93199013 A 19930716

Applic (No,Kind,Date): CN 94108729 A 19940716

IPC: * H04B-007/216

Derwent WPI Acc No: * G 95-115936

Language of Document: Chinese

JAPAN (JP)

Patent (No,Kind,Date): JP 7038962 A2 19950207

AUTOMOBILE-PORTABLE TELEPHONE SYSTEM (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): ASANO NOBUO; KATO OSAMU

Priority (No,Kind,Date): JP 93199013 A 19930716

Applic (No,Kind,Date): JP 93199013 A 19930716

IPC: * H04Q-007/38; H04J-013/00

Derwent WPI Acc No: * G 95-115936

Language of Document: Japanese

Patent (No,Kind,Date): JP 2863975 B2 19990303

Priority (No,Kind,Date): JP 93199013 A 19930716

Applic (No,Kind,Date): JP 93199013 A 19930716

IPC: * H04Q-007/36; H04J-013/00

Derwent WPI Acc No: * G 95-115936

Language of Document: Japanese

KOREA, REPUBLIC (KR)

Patent (No,Kind,Date): KR 126628 B1 19980403

MOBILE COMMUNICATIONS SYSTEM (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): ASANO NOBUO (JP); KATO OHSHAMU (JP)

Priority (No,Kind,Date): JP 93199013 A 19930716

Applic (No,Kind,Date): KR 9417209 A 19940716

IPC: * H04B-007/216

Derwent WPI Acc No: * G 95-115936

Language of Document: Korean

UNITED STATES OF AMERICA (US)

Patent (No,Kind,Date): US 5677929 A 19971014

AUTOMOBILE ON-BOARD AND/OR PORTABLE TELEPHONE SYSTEM (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): ASANO NOBUO (JP); KATO OSAMU (JP)

Priority (No,Kind,Date): JP 93199013 A 19930716

Applic (No,Kind,Date): US 272156 A 19940708

National Class: * 375206000

IPC: * H04B-015/00; H04K-001/00; H04L-027/30

Derwent WPI Acc No: * G 95-115936

UNITED STATES OF AMERICA (US)

Legal Status (No, Type, Date, Code, Text):

| | | | | |
|------------|---|----------|---|---------------------------|
| US 5677929 | P | 19930716 | US AA | PRIORITY (PATENT) |
| | | | JP 93199013 A | 19930716 |
| US 5677929 | P | 19940708 | US AE | APPLICATION DATA (PATENT) |
| | | | (APPL. DATA (PATENT)) | |
| | | | US 272156 A | 19940708 |
| US 5677929 | P | 19940708 | US AS02 | ASSIGNMENT OF ASSIGNOR'S |
| | | | INTEREST | |
| | | | MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. | |
| | | | 1006, OAZA KADOMA, KADOMA-SHI OSAKA, JA ; | |
| | | | ASANO, NOBUO : 19940629; KATO, OSAMU : | |
| | | | 19940629 | |
| US 5677929 | P | 19971014 | US A | PATENT |
| US 5677929 | P | 19990824 | US RF | REISSUE APPLICATION FILED |
| | | | (REISSUE APPL. FILED) | |
| | | | 19990621 | |

5,677,929

LEXIS-NEXIS
Library: PATENT
File: ALL

<=2> GET 1st DRAWING SHEET OF 5

Oct. 14, 1997

Automobile on-board and/or portable telephone system

REISSUE: Reissue Application filed Jun. 25, 2001 (O.G. Aug. 14, 2001) Ex. Gp.: 2631; Re. S.N. 09/887,042

Reissue Application filed Jun. 21, 1999 (O.G. Aug. 24, 1999) Ex. Gp.: 2734; Re. S.N. 09/337,403

CORE TERMS: spread, channel, user, processing, orthogonal, spectrum, assigned, automobile, despread, portable...

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1/4 LGST (1/1) - (C) LEGSTAT
PN - US 5677929 [US5677929]
AP - US 272156/94 19940708 [1994US-0272156]
DT - US-P
ACT - 19940708 US/AE-A
APPLICATION DATA (PATENT)
{US 272156/94 19940708 [1994US-0272156]}
- 19940708 US/AS02
ASSIGNMENT OF ASSIGNOR'S INTEREST
MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. 1006, OAZA KADOMA, KADOMA-SHI
OSAKA, JA * ASANO, NOBUO : 19940629; KATO, OSAMU : 19940629
- 19971014 US/A
PATENT
- 19990824 US/RF
REISSUE APPLICATION FILED
19990621
- 20010814 US/RF
REISSUE APPLICATION FILED
20010625
UP - 2001-40

2/4 CRXX (1/1) - (C) CLAIMS/RRX
AN - 2895695
PN - 5,677,929 A 19971014 [US5677929]
PA - Matsushita Electric Industrial Co Ltd JP
PT - E (Electrical)
ACT - 19990621 REISSUE REQUESTED
ISSUE DATE OF O.G.: 19990824
REISSUE REQUEST NUMBER: 09/337403
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2734

Reissue Patent Number:

- 20010625 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20010814
REISSUE REQUEST NUMBER: 09/887042
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2631

Reissue Patent Number:

UP - 1999-33
UACT- 2001-08-14

3/4 PAST (1/2) - (C) PAST
AN - 200133-001699
PN - 5677929 A [US5677929]
DT - A (UTILITY)
OG - 2001-08-14
CO - REA
ACT - REISSUE APPLICATION FILED
SH - REISSUE APPLICATION FILED

4/4 PAST (2/2) - (C) PAST
AN - 199934-001369
PN - 5677929 A [US5677929]
DT - A (UTILITY)
OG - 1999-08-24
CO - REA
ACT - REISSUE APPLICATION FILED
SH - REISSUE APPLICATION FILED

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